

AMENDMENTS TO THE CLAIMS

1 to 7. (Canceled)

8. (Currently Amended) A process of biological cleaning of waste water under ~~pressurization~~ pressure wherein, in a biological cleaning method of waste water in which cleaning of waste water is performed biologically by utilizing the biological waste water cleaning function of microorganism bodies by way of an oxidation reaction and/or reduction reaction, comprising: dissolving a reactive gas containing oxygen ~~is instantaneously dissolved within 0.5 seconds~~, in part by means of a line atomizer which generates ultrasonic waves and cavitations forming bubbles with a size of 1 nm to 300 μ m under ~~pressurization~~ pressure, in advance, and outside of a reaction vessel to be brought into a dissolved state, the remainder being dispersed and stored in the solution as fine bubbles ~~to form~~ forming a gasified solution;

introducing the said gasified solution ~~is introduced~~ into the ~~aforementioned~~ reaction vessel so as to feed aerobic microorganisms with the reactive gases ~~such as oxygen~~;

~~the pressurized condition~~ pressure in the reaction vessel is maintained ~~in such a way that the a decreasing rate of the~~ concentration of the dissolved gas in the gasified liquid ~~introduced into in the aforementioned pressurized reaction vessel is reduced~~ maintained; and

the microorganism bodies are rendered to exhibit the cleaning function in the ~~aforementioned pressurized reaction vessel~~.

9. (Currently Amended) The process of biological cleaning of waste water under ~~pressurization~~ pressure as described in Claim 8 in which the ~~aforementioned~~ reaction vessel is provided ~~therein~~ with support bodies having ~~functions~~ the function of increasing the habitat density of the microorganisms, holding the microorganisms and preventing flow-away loss of the microorganisms.

10. (Currently Amended) The process of biological cleaning of waste water under ~~pressurization~~ pressure as described in Claim 8 in which the ~~degree of the pressurized state~~

pressure in the ~~aforementioned~~ reaction vessel does not exceed the pressure at the outlet of the ~~aforementioned~~ line atomizer.

11. (Currently Amended) The process of biological cleaning of waste water under-
~~pressurization~~ pressure as described in Claim 9 in which the ~~degree of the pressurized state~~
pressure in the ~~aforementioned~~ reaction vessel does not exceed the pressure at the outlet of the ~~aforementioned~~ line atomizer.